

ABSTRACT

An FIR filter is provided comprising a coefficient generator to generate first and second coefficients, a first control conductor, and a second control conductor. A controller is coupled to a first end of the first control conductor and a first end of the second control conductor. A shared wiring is provided having its first end being coupled to the coefficient generator. A first memory is coupled to a second end of the shared wiring and coupled to a second end of the first control conductor to store the first coefficient in response to the controller. A first multiplier is responsive to the first coefficient stored in the first memory and the input, and a first delay circuit is responsive to an input.

A second memory is coupled to the second end of the shared wiring and coupled to a second end of the second control conductor to store the second coefficient in response to the controller, and a second multiplier is responsive to the second coefficient stored in the second memory and the first delay element.



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CONFIRMATION NO. 6456

FORMALITIES LETTER



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Date Mailed: 06/06/2002

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a)

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:

Adjustment date: 07/30/2002. Intellectual Property Department, Sunnyvale, CA 94089. Drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

Items Required To Avoid Processing Delays:

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- \$ Late oath or declaration Surcharge.

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*A copy of this notice **MUST** be returned with the reply.*

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